

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claims 1-92 (Cancelled).

93. (Currently Amended) An apparatus comprising:

at least one sensor configured to monitor environmental conditions ambient to rack mounted computer equipment, the at least one sensor ~~selected from a group consisting of a temperature sensor and a humidity sensor~~ including an airflow sensor, the airflow sensor comprising:

a first sensor exposed to airflow ambient to the rack mounted computer equipment;

a second sensor shielded from the airflow; and

a circuit coupled to the first sensor and the second sensor and configured to provide a signal indicative of the airflow;

a housing configured for mounting to an equipment rack, the housing including:

a processor responsive to the at least one sensor;

at least one network interface responsive to the processor and configured for communication with a distributed computing network, ~~the at least one network interface constructed and adapted to couple to an Ethernet cable and configured to receive power for powering the apparatus from the distributed computing network via the Ethernet cable;~~

a power control interface configured to access power management equipment;

a web server configured to provide a web page associated with information derived from the at least one sensor;

an email module configured to send notification of events associated with the at least one sensor;

a simple network management protocol module configured to communicate with computer equipment external to the housing; and

a modem responsive to the processor and configured to access a telephone line.

94. (Previously Presented) The apparatus of claim 93, further comprising audio circuitry configured to monitor auditory conditions and provide an audio signal.

95. (Previously Presented) The apparatus of claim 93, further comprising a back-up power source configured to provide back-up power to the processor.

96. (Previously Presented) The apparatus of claim 93, further comprising a camera.

97. (Previously Presented) The apparatus of claim 93, wherein the notification includes an image from a camera.

98. (Previously Presented) An apparatus comprising:

at least one sensor configured to monitor environmental conditions ambient to rack mounted computer equipment, the at least one sensor ~~selected from a group consisting of a temperature sensor and a humidity sensor~~ including an airflow sensor, the airflow sensor comprising:

a first sensor exposed to airflow ambient to the rack mounted computer equipment;

a second sensor shielded from the airflow; and

a circuit coupled to the first sensor and the second sensor and configured to provide a signal indicative of the airflow;

a housing configured for mounting to an equipment rack, the housing including:

a plurality of processors, at least one processor of the plurality of processors responsive to the at least one sensor;

at least one network interface responsive to at least one processor of the plurality of processors and configured for communication with a distributed computing network; ~~the at least~~

~~one network interface constructed and adapted to couple to an Ethernet cable and configured to receive power for powering the apparatus from the distributed computing network via the Ethernet cable;~~

a power control interface responsive to at least one processor of the plurality of processors and configured to access power management equipment;

a web server responsive to at least one processor of the plurality of processors and configured to provide a web page associated with information derived from the at least one sensor;

an email module responsive to at least one processor of the plurality of processors and configured to send notification of events associated with the at least one sensor;

a simple network management protocol module responsive to at least one processor of the plurality of processors and configured to communicate with computer equipment external to the housing; and

a modem responsive to at least one processor of the plurality of processors and configured to access a telephone line.

99. (Previously Presented) The apparatus of claim 98, further comprising audio circuitry configured to monitor auditory conditions and provide an audio signal.

100. (Previously Presented) The apparatus of claim 98, further comprising a back-up power source configured to provide back-up power to the plurality of processors.

101. (Previously Presented) The apparatus of claim 98, further comprising a camera.

102. (Previously Presented) The apparatus of claim 98, wherein the notification includes an image from a camera.

103. (Previously Presented) An apparatus comprising:

at least one sensor configured to monitor environmental conditions ambient to monitored computer equipment, the at least one sensor ~~selected from a group consisting of a temperature sensor and a humidity sensor~~ including an airflow sensor, the airflow sensor comprising:

a first sensor exposed to airflow ambient to the rack mounted computer equipment;

a second sensor shielded from the airflow; and

a circuit coupled to the first sensor and the second sensor and configured to provide a signal indicative of the airflow;

a housing configured for mounting to an equipment rack, the housing including:

a web server configured to provide a web page having information derived from the at least one sensor;

an email module configured to send email;

a simple network management protocol module configured to communicate using a simple network management protocol;

a modem configured to access a telephone line and configured to selectively send data to a pager;

at least one network interface configured to access a distributed computer network, ~~the at least one network interface constructed and adapted to couple to an Ethernet cable and configured to receive power for powering the apparatus from the distributed computing network via the Ethernet cable; and~~

an alarm module responsive to the at least one sensor and configured to send an alarm notification, the alarm notification communicated by at least one of the email module, the simple network management protocol module, and the modem.

104. (Previously Presented) The apparatus of claim 103, wherein the web server is configured to incorporate camera image data into the web page.

105. (Previously Presented) The apparatus of claim 103, wherein the alarm notification is communicated by at least one of the email module, the simple network management protocol module, and the modem during a common time period.

106. (Previously Presented) The apparatus of claim 103, wherein the alarm notification is communicated by at least one of the email module, the simple network management protocol module, and the modem substantially simultaneously.

107. (Previously Presented) An apparatus comprising:

a housing configurable for mounting to an equipment rack, the housing including:

a temperature sensor;

a humidity sensor;

an acoustic sensor;

an airflow sensor comprising:

a first sensor exposed to airflow ambient to the rack mounted computer equipment;

a second sensor shielded from the airflow; and

a circuit coupled to the first sensor and the second sensor and configured to provide a signal indicative of the airflow;

at least one external sensor interface configured to connect to an external sensor, the external sensor configured to monitor environmental conditions ambient to monitored computer equipment;

a web server configured to provide a web page having information derived from at least one of the temperature sensor, the humidity sensor, the acoustic sensor, the air flow sensor, and the external sensor;

a simple network management protocol module configured to communicate using a simple network management protocol;

at least one network interface responsive to the simple network management protocol module and configured to access a distributed computer network, ~~the at least one network interface constructed and adapted to couple to an Ethernet cable and configured to receive power for powering the apparatus from the distributed computing network via the Ethernet cable; and~~

an alarm module responsive to at least one of the temperature sensor, the humidity sensor, the acoustic sensor, the air flow sensor, and the external sensor and configured to send an alarm notification via the web server.

108. (Previously Presented) The apparatus of claim 107, further comprising an email module configured to send email.

109. (Previously Presented) The apparatus of claim 108, wherein the alarm module is configured to send an alarm notification via email.

110. (Previously Presented) The apparatus of claim 107, further comprising an interface configured to access an external camera.

111. (Previously Presented) The apparatus of claim 110, wherein the alarm notification includes an image from the external camera.

112. (Previously Presented) The apparatus of claim 107, wherein the web server is configured to incorporate camera image data into the web page.

113. (Previously Presented) The apparatus of claim 107, further comprising a door position sensor.

114. (Previously Presented) The apparatus of claim 113, wherein the alarm module is responsive to the door position sensor.